

2010-06-09 NIHB-2264_ST25.txt
SEQUENCE LISTING

<110> COLLINS, Peter L.
MURPHY, Brian R.
WHITEHEAD, Stephen S.

<120> PRODUCTION OF ATTENUATED CHIMERIC RESPIRATORY SYNCYTIAL VIRUS VACCINES FROM CLONED NUCLEOTIDE SEQUENCES

<130> NIHB-2264

<140> US 10/722,000
<141> 2003-11-25

<150> US 09/291,894
<151> 1999-04-13

<150> US 08/892,403
<151> 1997-07-15

<150> US 60/047,634
<151> 1997-05-23

<150> US 60/046,141
<151> 1997-05-09

<150> US 60/021,773
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<220>
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<210> 9
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<220>
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<400> 9
gacacaaccc acaatgataa tacaccac 28

<210> 10
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<220>
<223> Reverse PCR primer for NS1 gene deletion

<400> 10
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<210> 11
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Forward PCR primer for NS2 gene deletion

<400> 11
ttaaggagag atataagata gaagatg 27

<210> 12
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<212> DNA
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<220>
<223> Reverse PCR primer for NS2 gene deletion

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gttttatatt aactaatgg ttagtg 27

<210> 13
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<400> 13
ttataattgc agccatcata ttcatagcct cg 33

<210> 14
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<212> DNA
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<220>
<223> Reverse PCR primer for ablation of G gene start site

<400> 14
gtgaagttga gattacaatt gccagaatgg 30

<210> 15
<211> 48
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<223> Positive-sense primer for intergenic region preceding the G gene

<400> 15
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<210> 16
<211> 51
<212> DNA
<213> Artificial Sequence

<220>
<223> Negative-sense primer for intergenic region downstream of F gene

<400> 16
gtgttggatc ctgattgcat gcttgaggtt tttatgtAAC tatgagttAA g 51

<210> 17
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<212> DNA
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<220>
<223> Description of Artificial Sequence: G gene-end signal

<400> 17
agtatttcaa aaa 13

<210> 18
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Positive-sense primer with G gene-end and F gene-start signals

<400> 18
ccacgcctaa tgagttatat aaaacaattg gggcaaataa ccatggag 48

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2010-06-09 NIHB-2264_ST25.txt

<220>
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<400> 19
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<210> 20
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<212> DNA
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<220>
<223> Description of Artificial Sequence: F gene-end signal of RSV A2

<400> 20
agttatataaa aa 12

<210> 21
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<220>
<223> G gene-end signal of RSV A2

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<223> n, if present, is c

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2010-06-09 NIHB-2264_ST25.txt

<212> RNA
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taactctaga atg 73

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<220>
<223> Synthetic oligonucleotide

<400> 27
atgagaccgt wgtmacytga gaccata 27

<210> 28
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<213> Artificial Sequence

<220>
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<400> 28
Met Arg Pro Leu Ser Leu Glu Thr Ile
1 5

<210> 29

2010-06-09 NIHB-2264_ST25.txt

<211> 13
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<213> Artificial Sequence

<220>
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<400> 29
agttaatata aaa 13

<210> 30
<211> 13
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<400> 30
agttaataaa aaa 13

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agtaatttaa aa 12

<210> 32
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<220>
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<400> 32
agttaataaa aaa 13

<210> 33
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2010-06-09 NIHB-2264_ST25.txt

<222> (5)..(5)
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<400> 33

Ile Leu Ala Xaa Xaa Ile Ser Thr Ser
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<211> 27

<212> RNA

<213> Artificial Sequence

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<223> Synthetic oligonucleotide

<400> 34

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<210> 35

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 35

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43

<210> 36

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<212> DNA

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<220>

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cttaactcat agttacataa aaacctcaag catgccagat taacttacca tctg

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60

aaataaa

66

<210> 38

<211> 11

<212> PRT

<213> Artificial Sequence

2010-06-09 NIHB-2264_ST25.txt

<220>

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<400> 38

Ser Asn Ser Thr Gln Asn Thr Gln Ser His Ala
1 5 10